

77852

Scientific and Technical Information Center

4E12

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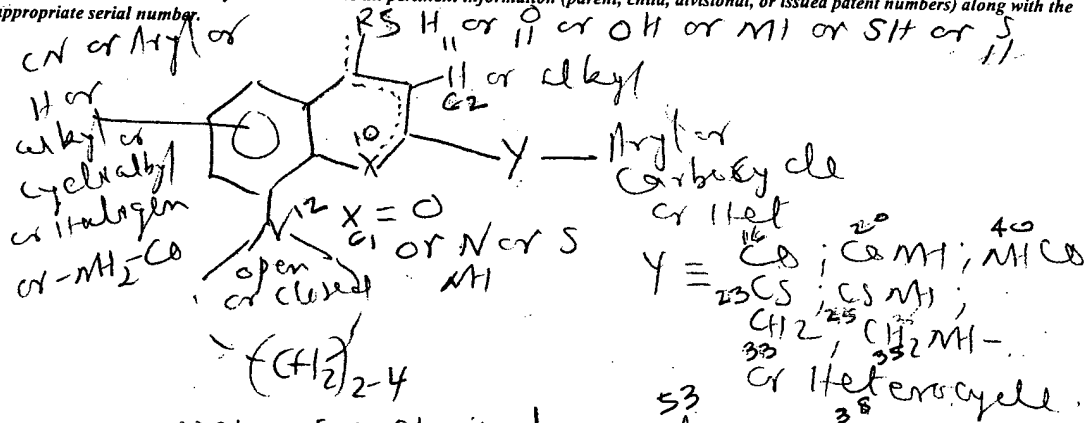
Title of Invention: THERAPEUTIC HETEROCYCLIC COMPOUNDS

EDWARD PIERSON et al

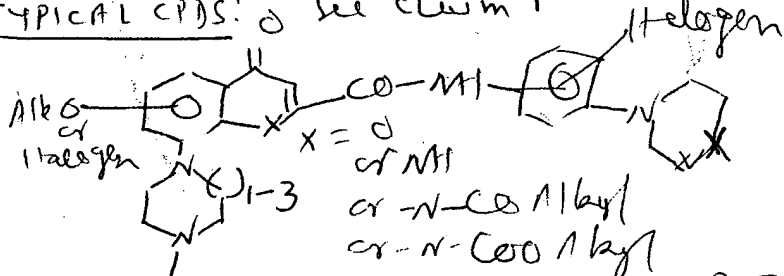
Earliest Priority Filing Date: 11/16/2001

appropriate serial number.

CN or Atty or
 RS H or O or OH or M or SH or S
 L or alkyl



TYPICAL CPDS: \rightarrow See claim 1



need info @ chels & vras SEROTONIN (5-HT) receptors
need d fmb helsto qbs total in CAPLUS

Vendors and cost where applicable

Searcher: Beverly e 4994 NA Sequence (#) _____ STN ✓ _____
 Searcher Phone #: _____ AA Sequence (#) _____ Dialog _____
 Searcher Location: _____ Structure (#) _____ Questel/Orbit _____
 Date Searcher Picked Up: _____ Bibliographic _____ Dr.Link _____
 Date Completed: 10-27-02 ✓ Litigation _____ Lexis/Nexis _____
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PTO-1590 (8-01)

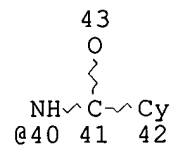
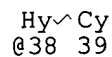
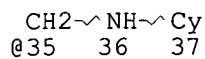
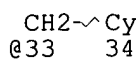
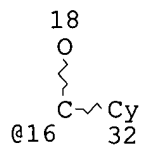
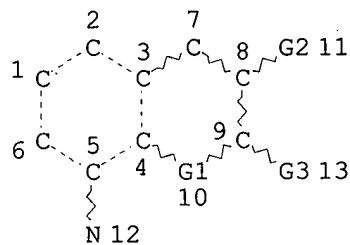
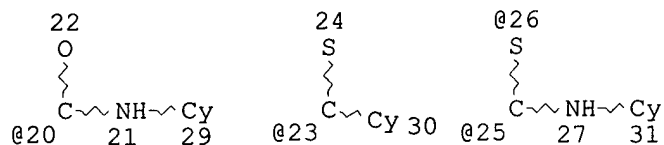
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VAR G2=H/AK
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DEFAULT ECLEVEL IS LIMITED

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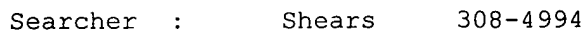
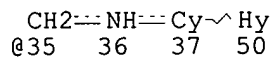
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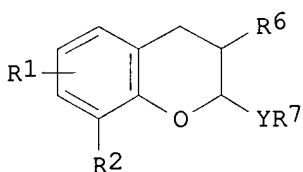
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L20 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2002:539473 HCAPLUS
DOCUMENT NUMBER: 137:109293
TITLE: Preparation of piperazinylchromans as 5-HT1B and
5-HT1D agonists/antagonists useful as
antimigraine drugs.
INVENTOR(S): Chapdelaine, Marc; Davenport, Timothy;
Haerberlein, Markus; Horschler, Carey; McCauley,
John; Pierson, Edward; Sohn, Daniel
PATENT ASSIGNEE(S): Astrazeneca Ab, Swed.
SOURCE: PCT Int. Appl., 139 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002055014	A2	20020718	WO 2002-SE70	20020115
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: US 2001-262108P P 20010116
SE 2001-3646 A 20011101

OTHER SOURCE(S): MARPAT 137:109293
GI



AB Title compds. [I; R1 = H, thiomethoxy, NHA, NA2, NHCOA, halo, OH, OA, cyano, aryl, (substituted) alkyl, cycloalkyl, etc.; A = (substituted) alkyl, cycloalkyl, alkenyl, alkynyl; R2 = (substituted) piperazinyl, homopiperazinyl, aminoalkylamino, aminoheterocyclyl, heterocyclylamino; R6 = H, Me; Y = CONH, CONA, CSNH, CH2CO, CH2NA, piperazinylcarbonyl, 5-membered heterocyclylene, etc.; R7 = (substituted) mono- or bicyclic aryl, heterocyclyl], were prepd. Thus, 8-(4-methyl-1-piperazinyl)chroman-2-carboxylic acid hydrochloride (prepn. given) in DMF was treated sequentially with 1-hydroxybenzotriazole, O-(1H-benzotriazol-1-yl)-N,N,N',N'-pentamethyleuronium tetrafluoroborate, Et3N, and 4-(4-morpholinyl)aniline (prepn. given) followed by stirring

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overnight to give 8-(4-methyl-1-piperazinyl)chroman-2-carboxylic acid (4-morpholin-4-ylphenyl)amide. Several I showed 5-HT1B antagonist activity in the range 0.006-5.5 mg/kg in a screen for reversal of hypothermia in guinea pigs.

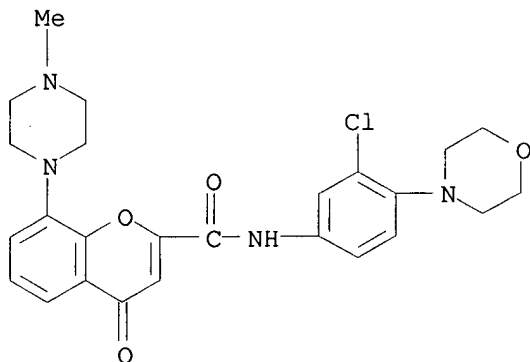
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442549-17-9P 442549-18-0P 442549-27-1P
442549-28-2P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of piperazinylchromans as 5-HT1B and 5-HT1D agonists/antagonists useful as antimigraine drugs)

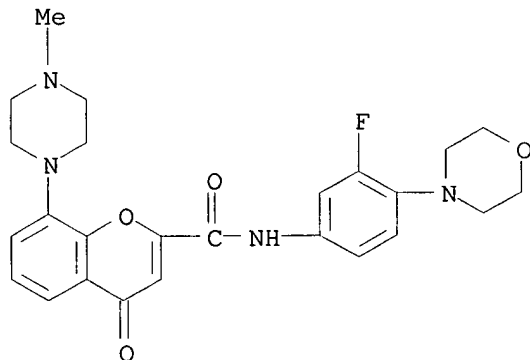
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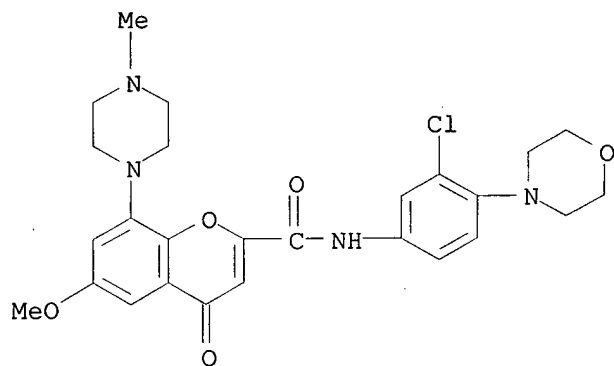
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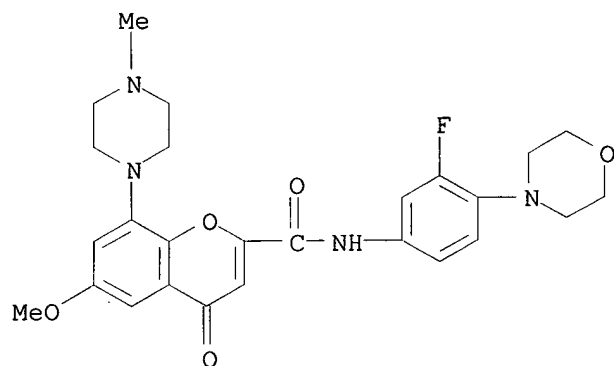
10/051776

CN 4H-1-Benzopyran-2-carboxamide, N-[3-chloro-4-(4-morpholinyl)phenyl]-6-methoxy-8-(4-methyl-1-piperazinyl)-4-oxo- (9CI) (CA INDEX NAME)



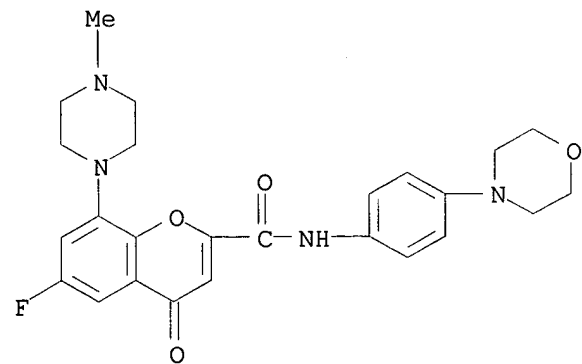
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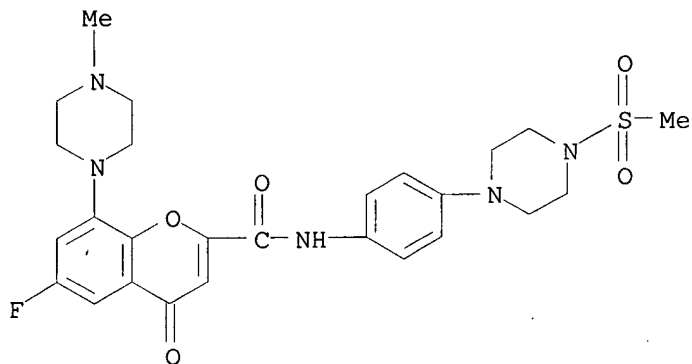
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10/051776

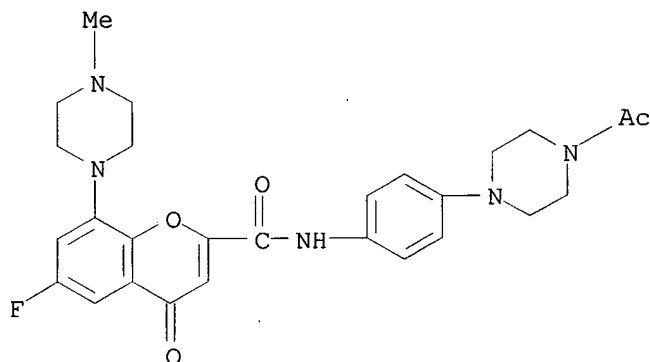
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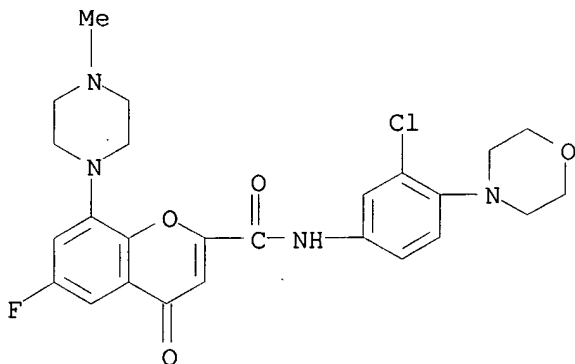
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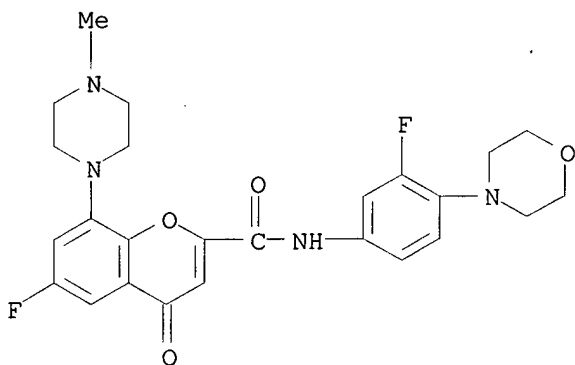
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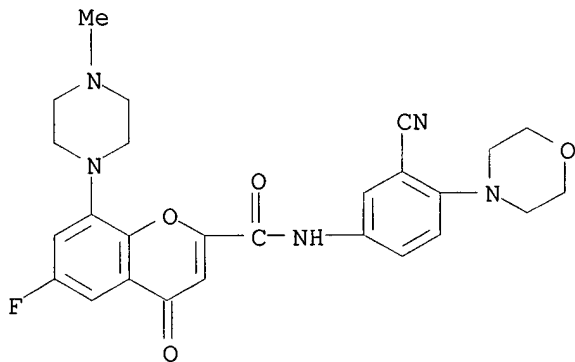
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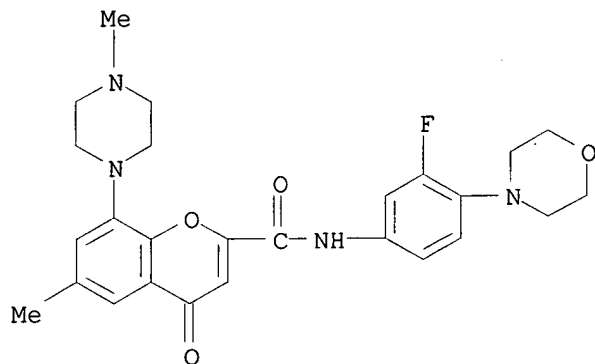


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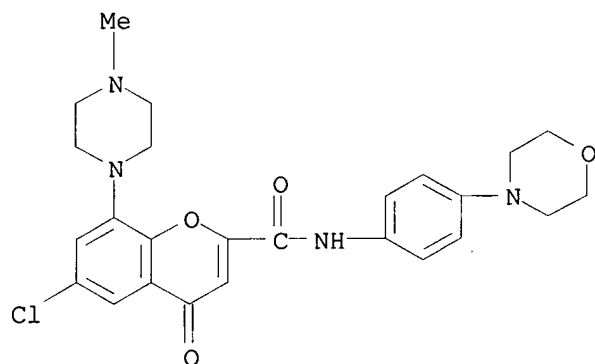
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CN 4H-1-Benzopyran-2-carboxamide, N-[3-fluoro-4-(4-morpholinyl)phenyl]-6-methyl-8-(4-methyl-1-piperazinyl)-4-oxo- (9CI) (CA INDEX NAME)



RN 442548-92-7 HCAPLUS

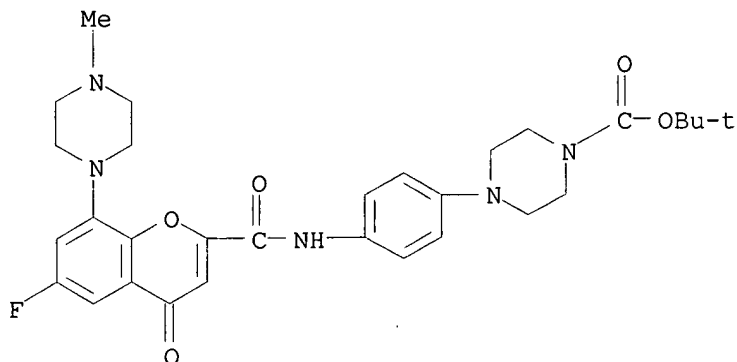
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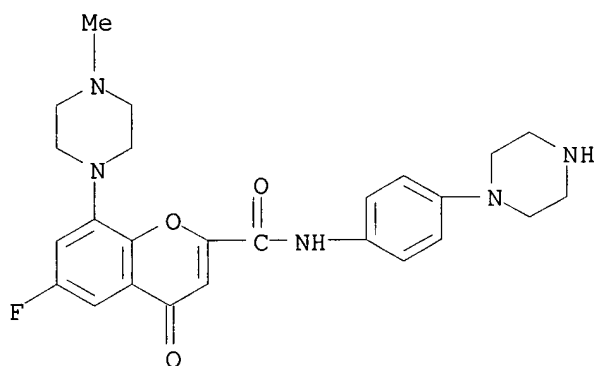
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CN 1-Piperazinecarboxylic acid, 4-[4-[[[6-fluoro-8-(4-methyl-1-piperazinyl)-4-oxo-4H-1-benzopyran-2-yl]carbonyl]amino]phenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

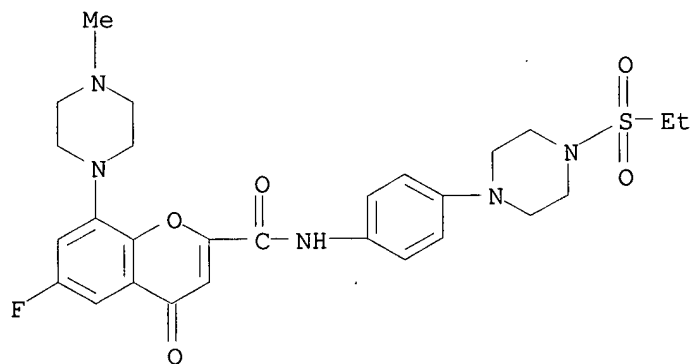
10/051776



RN 442548-97-2 HCAPLUS
CN 4H-1-Benzopyran-2-carboxamide, 6-fluoro-8-(4-methyl-1-piperazinyl)-4-oxo-N-[4-(1-piperazinyl)phenyl]- (9CI) (CA INDEX NAME)



RN 442548-98-3 HCAPLUS
CN 4H-1-Benzopyran-2-carboxamide, N-[4-[4-(ethylsulfonyl)-1-piperazinyl]phenyl]-6-fluoro-8-(4-methyl-1-piperazinyl)-4-oxo- (9CI) (CA INDEX NAME)

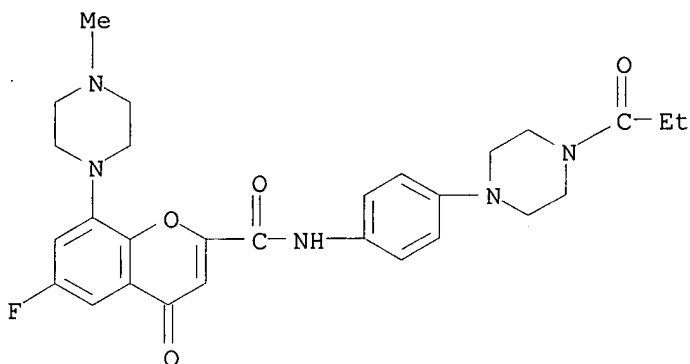


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Searcher : Shears 308-4994

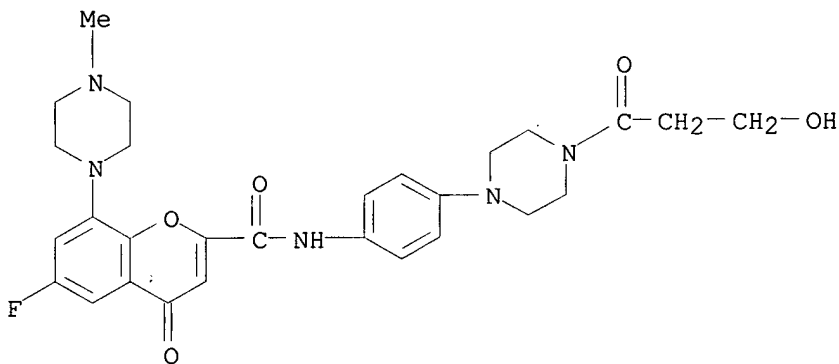
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CN 4H-1-Benzopyran-2-carboxamide, 6-fluoro-8-(4-methyl-1-piperazinyl)-4-oxo-N-[4-[4-(1-oxopropyl)-1-piperazinyl]phenyl]- (9CI) (CA INDEX NAME)



RN 442549-00-0 HCAPLUS

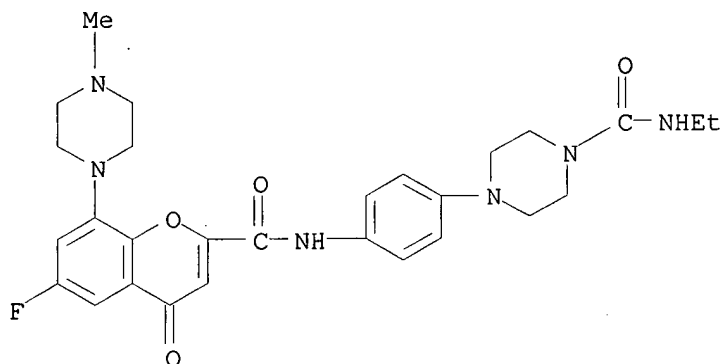
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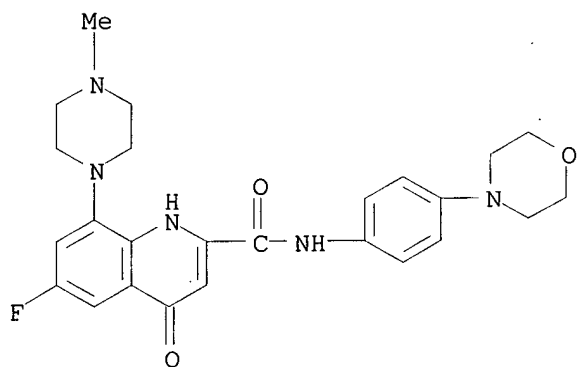
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CN 1-Piperazinecarboxamide, N-ethyl-4-[4-[[[6-fluoro-8-(4-methyl-1-piperazinyl)-4-oxo-4H-1-benzopyran-2-yl]carbonyl]amino]phenyl]- (9CI) (CA INDEX NAME)

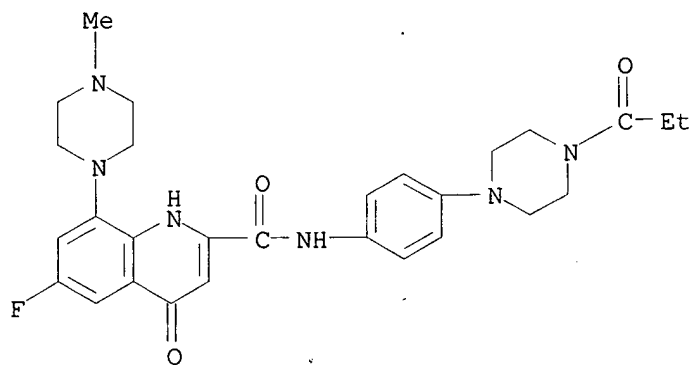
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RN 442549-17-9 HCAPLUS
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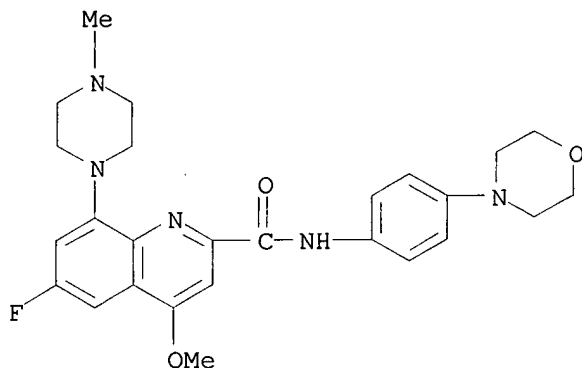


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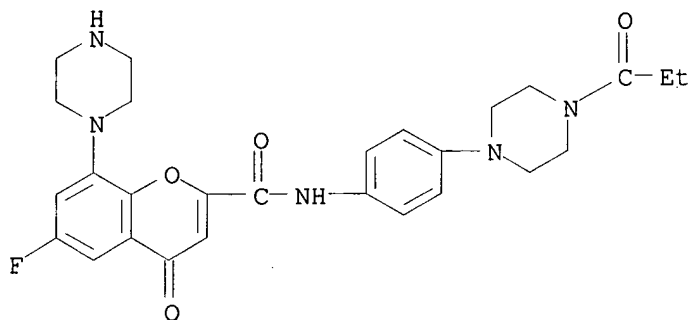


10/051776

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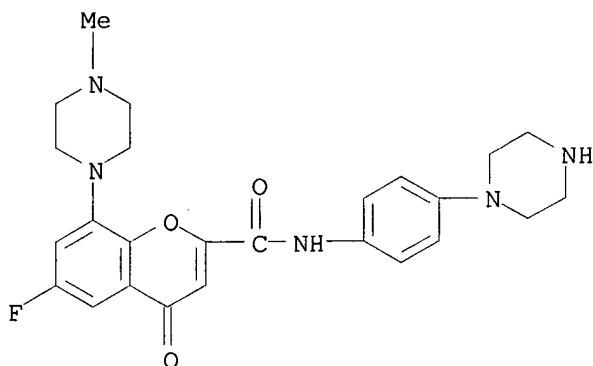


IT 442549-69-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of piperazinylchromans as 5-HT1B and 5-HT1D
agonists/antagonists useful as antimigraine drugs)
RN 442549-69-1 HCAPLUS
CN 4H-1-Benzopyran-2-carboxamide, 6-fluoro-8-(4-methyl-1-piperazinyl)-4-oxo-N-[4-(1-piperazinyl)phenyl]-, bis(trifluoroacetate) (9CI) (CA INDEX NAME)

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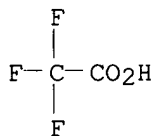
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10/051776



CM 2

CRN 76-05-1
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L20 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2002:539472 HCAPLUS
DOCUMENT NUMBER: 137:93772
TITLE: Preparation of piperazinylchromenones as 5-HT1B
5-HT1D agonists/antagonists useful as drugs.
INVENTOR(S): Chapdelaine, Marc; Davenport, Timothy;
Haerberlein, Markus; Horschler, Carey; McCauley,
John; Pierson, Edward; Sohn, Daniel
PATENT ASSIGNEE(S): Astrazeneca Ab, Swed.
SOURCE: PCT Int. Appl., 150 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002055013	A2	20020718	WO 2002-SE69	20020115
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Searcher : Shears 308-4994

10/051776

CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,
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SN, TD, TG

PRIORITY APPLN. INFO.:

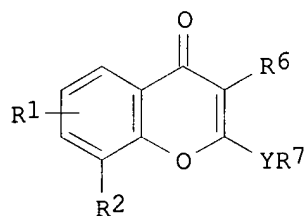
US 2001-262109P P 20010116

SE 2001-3647 A 20011101

OTHER SOURCE(S):

MARPAT 137:93772

GI



AB Title compds. [I; R1 = H, thiomethoxy, NHA, NA2, NHCOA, halo, OH, OA, cyano, aryl, (substituted) alkyl, cycloalkyl, etc.; A = (substituted) alkyl, cycloalkyl, alkenyl, alkynyl; R2 = (substituted) piperazinyl, homopiperazinyl, aminoalkylamino, aminoheterocyclyl, heterocyclylamino; R6 = H, Me; Y = CONH, CONA, CSNH, CH2CO, CH2NA, piperazinylcarbonyl, 5-membered heterocyclylene, etc.; R7 = (substituted) mono- or bicyclic aryl, heterocyclyl], were prepd. Thus, 8-(4-methyl-1-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid hydrochloride (prepn. given) in DMF/Et3N was treated sequentially with 1-hydroxybenzotriazole, O-(1H-benzotriazol-1-yl)-N,N,N',N'-pentamethylenuronium tetrafluoroborate, 4-dimethylaminopyridine, and 4-(4-morpholinyl)aniline (prepn. given) to give 8-(4-methyl-1-piperazinyl)-N-[4-(4-morpholinyl)phenyl]-4-oxo-4H-chromene-2-carboxamide. Several I showed 5-HT1B antagonist activity in the range 0.006-5.5 mg/kg in a screen for reversal of hypothermia in guinea pigs.

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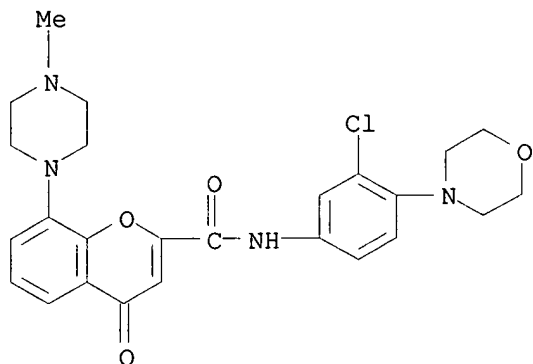
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of piperazinylchromenones as 5-HT1B 5-HT1D agonists/antagonists useful as drugs)

RN 442548-39-2 HCAPLUS

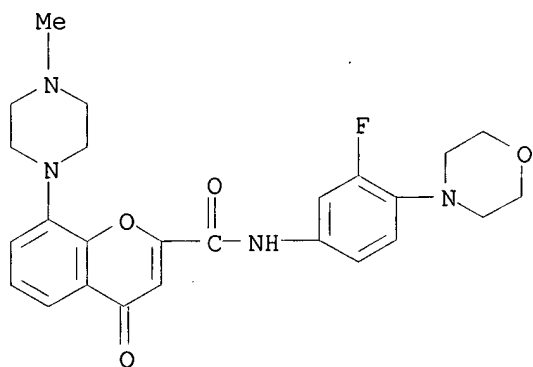
CN 4H-1-Benzopyran-2-carboxamide, N-[3-chloro-4-(4-morpholinyl)phenyl]-8-(4-methyl-1-piperazinyl)-4-oxo- (9CI) (CA INDEX NAME)

10/051776



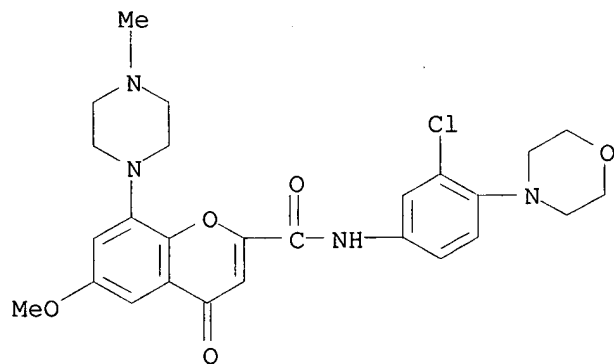
RN 442548-55-2 HCAPLUS

CN 4H-1-Benzopyran-2-carboxamide, N-[3-fluoro-4-(4-morpholinyl)phenyl]-8-(4-methyl-1-piperazinyl)-4-oxo- (9CI) (CA INDEX NAME)



RN 442548-60-9 HCAPLUS

CN 4H-1-Benzopyran-2-carboxamide, N-[3-chloro-4-(4-morpholinyl)phenyl]-6-methoxy-8-(4-methyl-1-piperazinyl)-4-oxo- (9CI) (CA INDEX NAME)

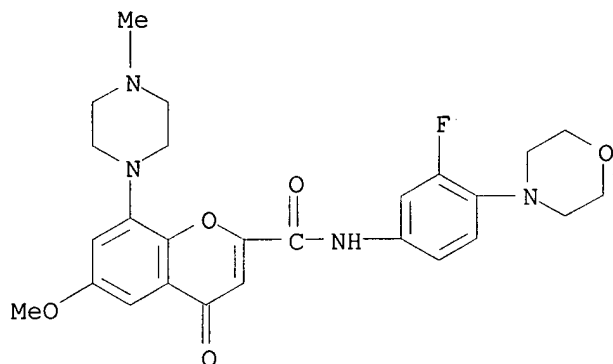


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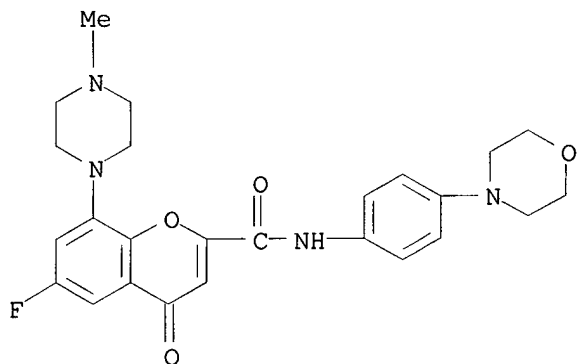
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6-methoxy-8-(4-methyl-1-piperazinyl)-4-oxo- (9CI) (CA INDEX NAME)



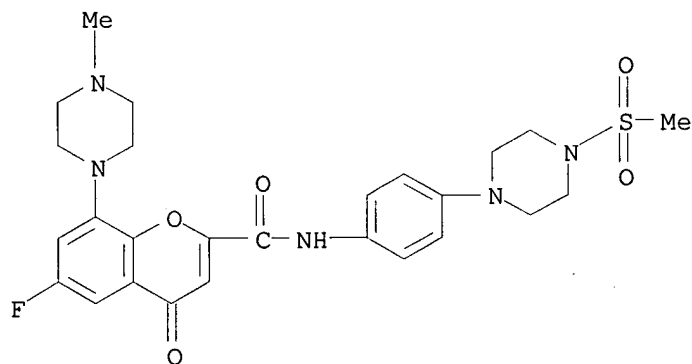
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CN 4H-1-Benzopyran-2-carboxamide, 6-fluoro-8-(4-methyl-1-piperazinyl)-N-[4-(4-morpholinyl)phenyl]-4-oxo- (9CI) (CA INDEX NAME)



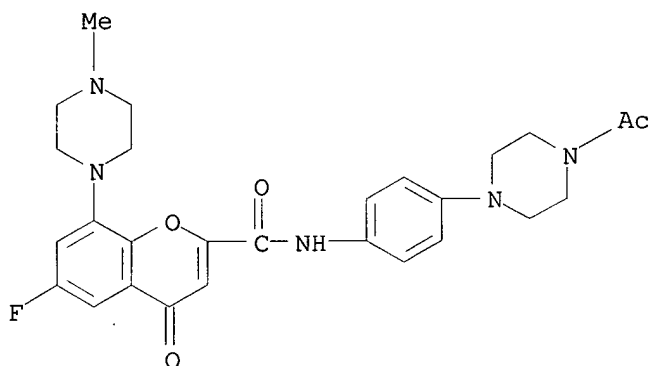
RN 442548-83-6 HCAPLUS

CN 4H-1-Benzopyran-2-carboxamide, 6-fluoro-8-(4-methyl-1-piperazinyl)-N-[4-[4-(methylsulfonyl)-1-piperazinyl]phenyl]-4-oxo- (9CI) (CA INDEX NAME)

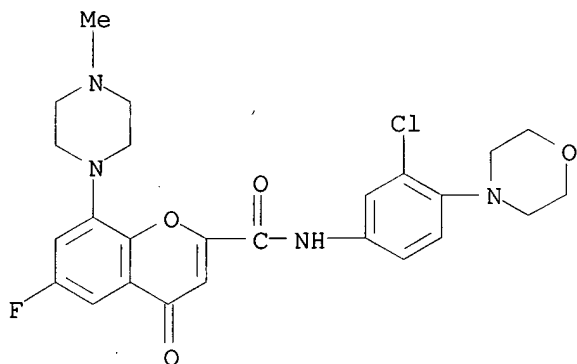


10/051776

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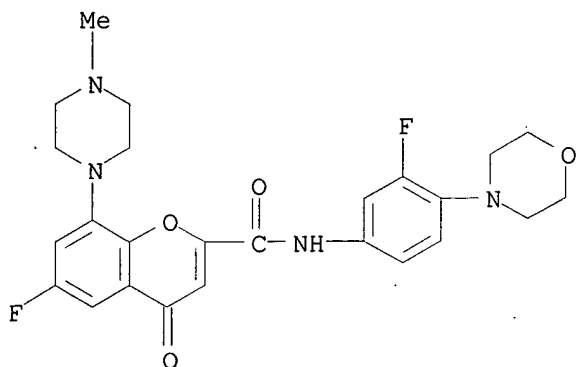


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CN 4H-1-Benzopyran-2-carboxamide, N-[3-chloro-4-(4-morpholinyl)phenyl]-
6-fluoro-8-(4-methyl-1-piperazinyl)-4-oxo- (9CI) (CA INDEX NAME)



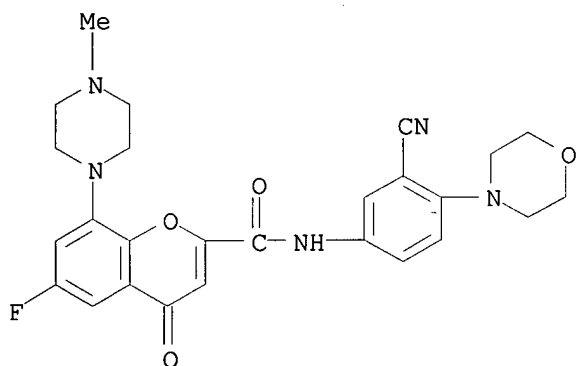
RN 442548-86-9 HCAPLUS
CN 4H-1-Benzopyran-2-carboxamide, 6-fluoro-N-[3-fluoro-4-(4-morpholinyl)phenyl]-8-(4-methyl-1-piperazinyl)-4-oxo- (9CI) (CA INDEX NAME)

10/051776



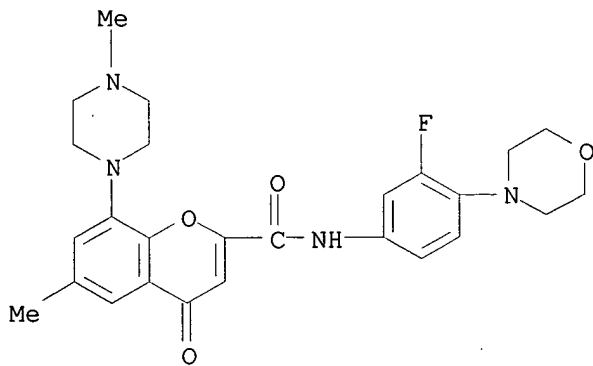
RN 442548-87-0 HCAPLUS

CN 4H-1-Benzopyran-2-carboxamide, N-[3-cyano-4-(4-morpholinyl)phenyl]-6-fluoro-8-(4-methyl-1-piperazinyl)-4-oxo- (9CI) (CA INDEX NAME)



RN 442548-91-6 HCAPLUS

CN 4H-1-Benzopyran-2-carboxamide, N-[3-fluoro-4-(4-morpholinyl)phenyl]-6-methyl-8-(4-methyl-1-piperazinyl)-4-oxo- (9CI) (CA INDEX NAME)

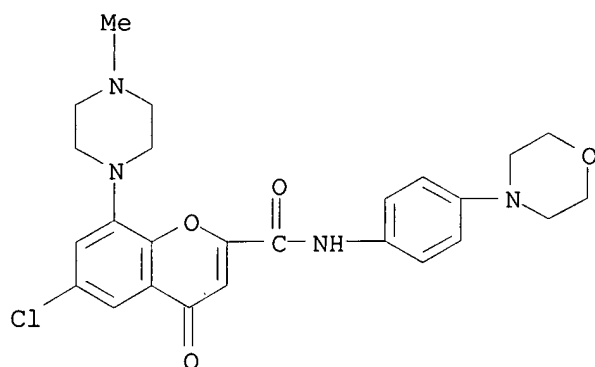


RN 442548-92-7 HCAPLUS

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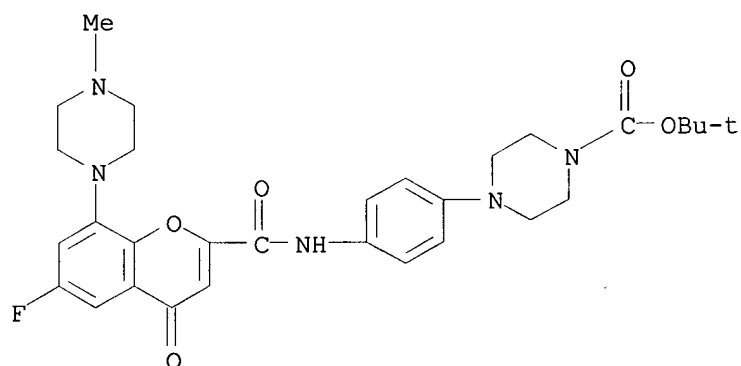
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[4-(4-morpholinyl)phenyl]-4-oxo- (9CI) (CA INDEX NAME)



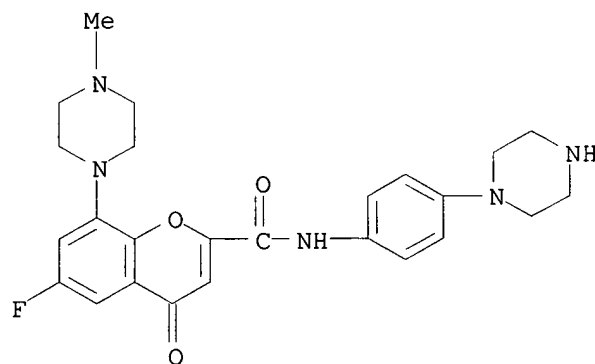
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CN 1-Piperazinecarboxylic acid, 4-[4-[[[6-fluoro-8-(4-methyl-1-piperazinyl)-4-oxo-4H-1-benzopyran-2-yl]carbonyl]amino]phenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



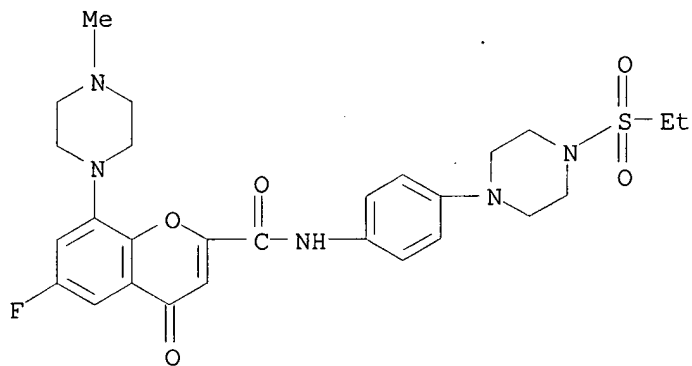
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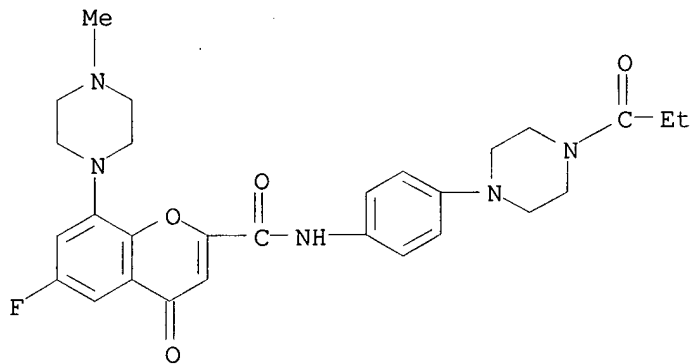


10/051776

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CN 4H-1-Benzopyran-2-carboxamide, N-[4-[4-(ethylsulfonyl)-1-piperazinyl]phenyl]-6-fluoro-8-(4-methyl-1-piperazinyl)-4-oxo- (9CI)
(CA INDEX NAME)

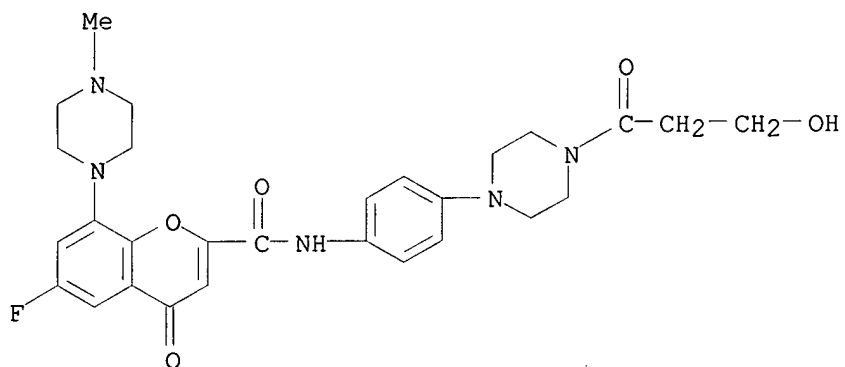


RN 442548-99-4 HCAPLUS
CN 4H-1-Benzopyran-2-carboxamide, 6-fluoro-8-(4-methyl-1-piperazinyl)-4-oxo-N-[4-[4-(1-oxopropyl)-1-piperazinyl]phenyl]- (9CI) (CA INDEX NAME)



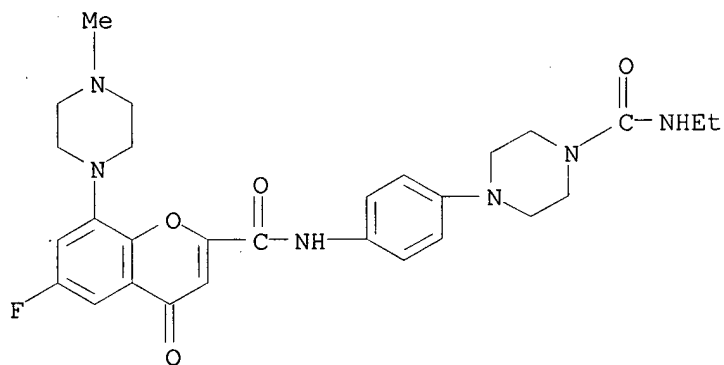
RN 442549-00-0 HCAPLUS
CN 4H-1-Benzopyran-2-carboxamide, 6-fluoro-N-[4-[4-(3-hydroxy-1-oxopropyl)-1-piperazinyl]phenyl]-8-(4-methyl-1-piperazinyl)-4-oxo- (9CI) (CA INDEX NAME)

10/051776



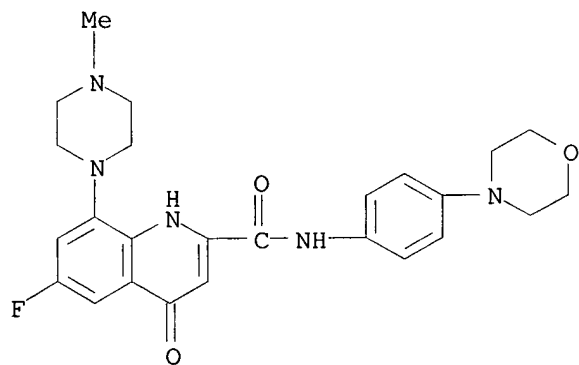
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CN 1-Piperazinecarboxamide, N-ethyl-4-[4-[[[6-fluoro-8-(4-methyl-1-piperazinyl)-4-oxo-4H-1-benzopyran-2-yl]carbonyl]amino]phenyl]- (9CI) (CA INDEX NAME)



RN 442549-17-9 HCAPLUS

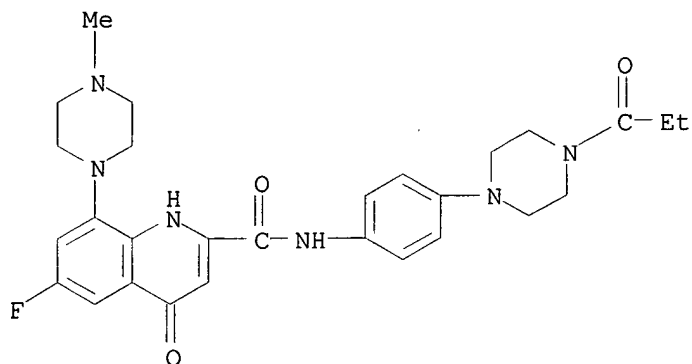
CN 2-Quinolinecarboxamide, 6-fluoro-1,4-dihydro-8-(4-methyl-1-piperazinyl)-N-[4-(4-morpholinyl)phenyl]-4-oxo- (9CI) (CA INDEX NAME)



10/051776

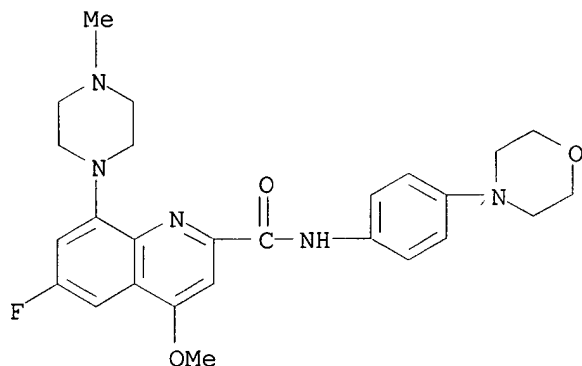
RN 442549-18-0 HCAPLUS

CN 2-Quinolinecarboxamide, 6-fluoro-1,4-dihydro-8-(4-methyl-1-piperazinyl)-4-oxo-N-[4-[4-(1-oxopropyl)-1-piperazinyl]phenyl]- (9CI) (CA INDEX NAME)



RN 442549-27-1 HCAPLUS

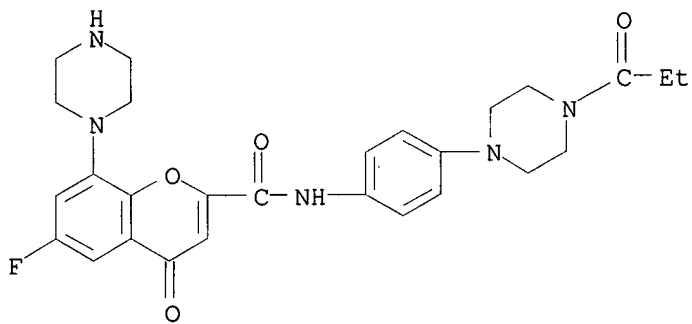
CN 2-Quinolinecarboxamide, 6-fluoro-4-methoxy-8-(4-methyl-1-piperazinyl)-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



RN 442549-28-2 HCAPLUS

CN 4H-1-Benzopyran-2-carboxamide, 6-fluoro-4-oxo-N-[4-[4-(1-oxopropyl)-1-piperazinyl]phenyl]-8-(1-piperazinyl)- (9CI) (CA INDEX NAME)

10/051776



IT 442549-69-1

RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of piperazinylchromenones as 5-HT1B 5-HT1D
agonists/antagonists useful as drugs)

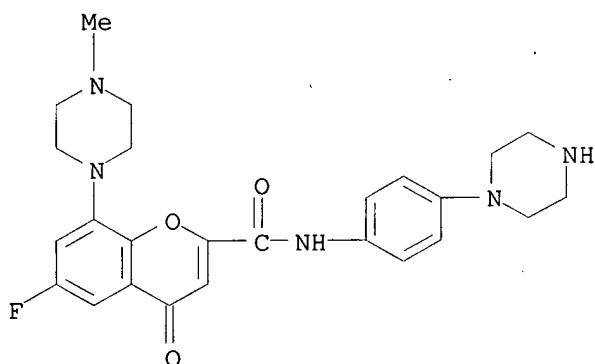
RN 442549-69-1 HCAPLUS

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INDEX NAME)

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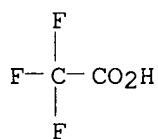
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CM 2

CRN 76-05-1

CMF C2 H F3 O2



10/051776

L20 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:539471 HCAPLUS

DOCUMENT NUMBER: 137:109205

TITLE: Preparation of 4-oxo-4H-chromene-2-carboxamides
and related compounds as antagonists or agonists
of serotonin 5HT1B and 5HT1D receptors

INVENTOR(S): Chapdelaine, Marc; Davenport, Timothy;
Haeberlein, Markus; Horschler, Carey; McCauley,
John; Pierson, Edward; Sohn, Daniel

PATENT ASSIGNEE(S): Astrazeneca Ab, Swed.

SOURCE: PCT Int. Appl., 147 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

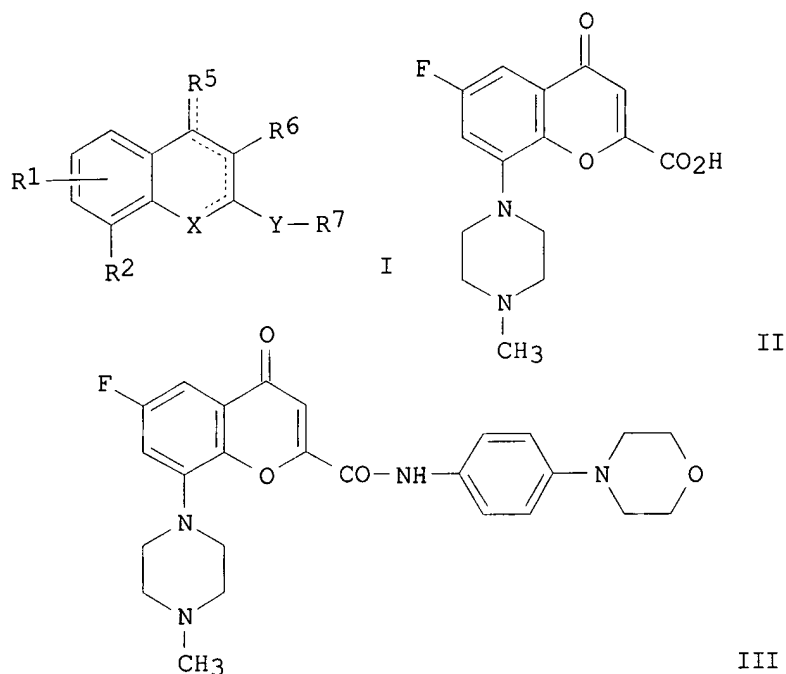
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RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: US 2001-262107P P 20010116

SE 2001-3650 A 20011101

OTHER SOURCE(S): MARPAT 137:109205

GI



AB Title compds. I and their pharmaceutically acceptable salts [R1 = H, alkyl, cycloalkyl, thiomethoxy, etc.; R2 = NR3R3; R3 independently = H, (un)substituted alkylamine e.g., alkyl, alkenyl, alkynyl amino-heterocycle, etc; R3-R3 = (un)substituted cycloalkylamine or amino-heterocycle e.g., alkyl, alkenyl, alkynyl, etc; R5 = H, O, S, etc.; R6 = H, Me; R7 = (un)substituted mono- or bicyclo- arom., (un)substituted heterocycle; X = O, N, NH, S; Y = CONH, NHCO, CSNH, etc.] were prepd with the proviso that multiple bonds are sepd. from each other by at least one single bond. For example, condensation of 4-oxo-4H-chromene-2-carboxylic acid II e.g., prepd. from diethylacetylenedicarboxylate and 2-bromo-4-fluorophenol in 5 steps, and 4-morpholin-4-yl-phenylamine provided preferred 4-oxo-4H-chromene-2-carboxamide III. The utility of the compds. of the present invention were tested using a guinea pig hypothermia test, ED50 values for compds. I range from 0.006-5.5 mg/kg. Compds. I are disclosed to be antagonists or agonists of serotonin 5HT1B and 5HT1D receptors (no data provided). Also I are claimed for use in the treatment of gastrointestinal disorders, cardiovascular regulation, motor disorders, etc..

IT 442548-39-2P 442548-55-2P 442548-60-9P
 442548-61-0P 442548-82-5P 442548-83-6P
 442548-84-7P, 6-Fluoro-8-(4-methylpiperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid[4-(4-acetyl-piperazin-1-yl)phenyl]amide
 442548-85-8P 442548-86-9P 442548-87-0P
 442548-91-6P 442548-92-7P 442549-00-0P,
 6-Fluoro-8-(4-methylpiperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid[4-[4-(3-hydroxypropanoyl)piperazin-1-yl]phenyl]amide
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6-Fluoro-8-(4-methylpiperazin-1-yl)-4-oxo-1,4-dihydroquinoline-2-carboxylic acid[4-(4-propionylpiperazin-1-yl)phenyl]amide

442549-27-1P, 6-Fluoro-4-methoxy-8-(4-methylpiperazin-1-yl)quinoline-2-carboxylic acid(4-morpholin-4-ylphenyl)amide

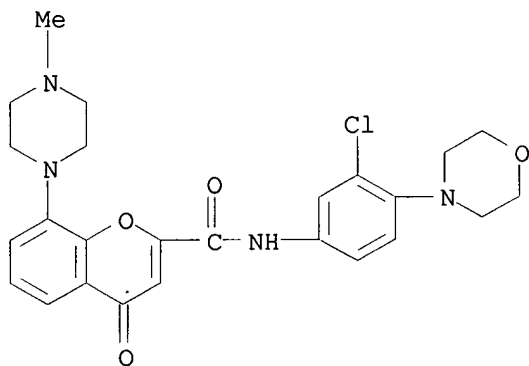
442549-69-1P 442914-98-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; prepn. of 4-oxo-4H-chromene-2-carboxamides and related compds. as antagonists or agonists of serotonin 5HT1B and 5HT1D receptors)

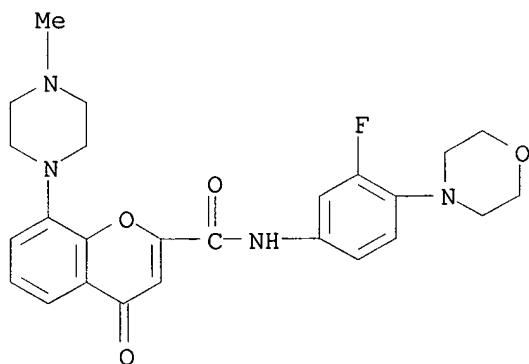
RN 442548-39-2 HCAPLUS

CN 4H-1-Benzopyran-2-carboxamide, N-[3-chloro-4-(4-morpholinyl)phenyl]-8-(4-methyl-1-piperazinyl)-4-oxo- (9CI) (CA INDEX NAME)



RN 442548-55-2 HCAPLUS

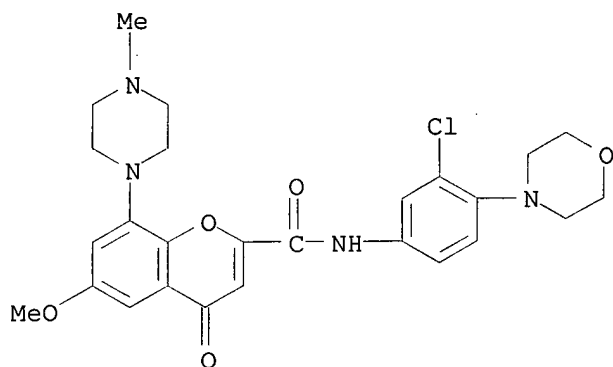
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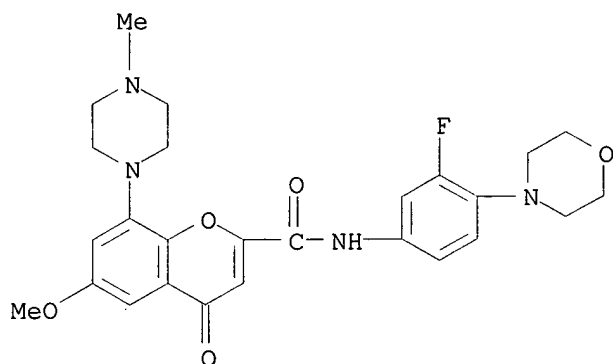
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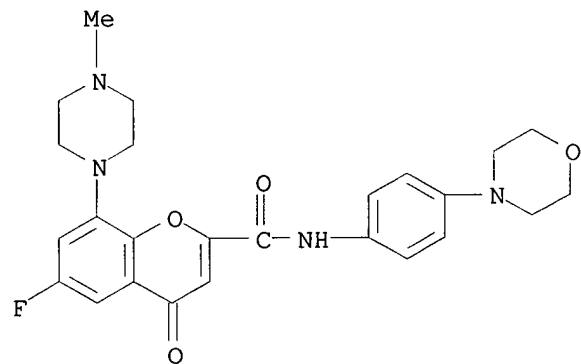
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CN 4H-1-Benzopyran-2-carboxamide, N-[3-fluoro-4-(4-morpholinyl)phenyl]-6-methoxy-8-(4-methyl-1-piperazinyl)-4-oxo- (9CI) (CA INDEX NAME)



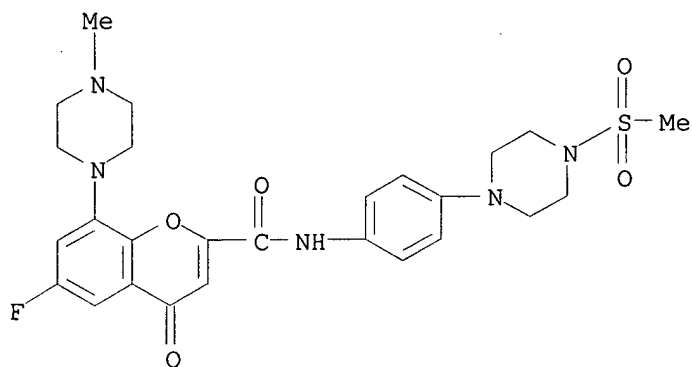
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CN 4H-1-Benzopyran-2-carboxamide, 6-fluoro-8-(4-methyl-1-piperazinyl)-N-[4-(4-morpholinyl)phenyl]-4-oxo- (9CI) (CA INDEX NAME)



RN 442548-83-6 HCAPLUS
CN 4H-1-Benzopyran-2-carboxamide, 6-fluoro-8-(4-methyl-1-piperazinyl)-N-

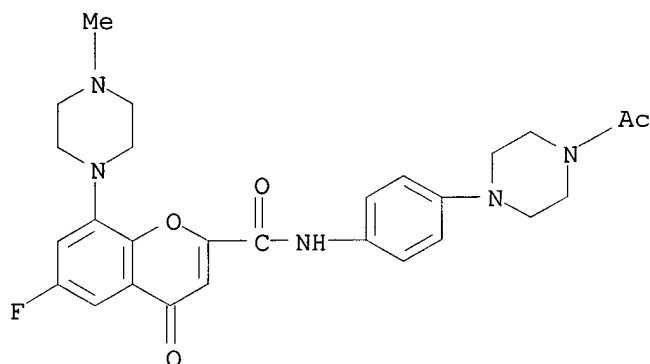
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[4-[4-(methylsulfonyl)-1-piperazinyl]phenyl]-4-oxo- (9CI) (CA INDEX NAME)



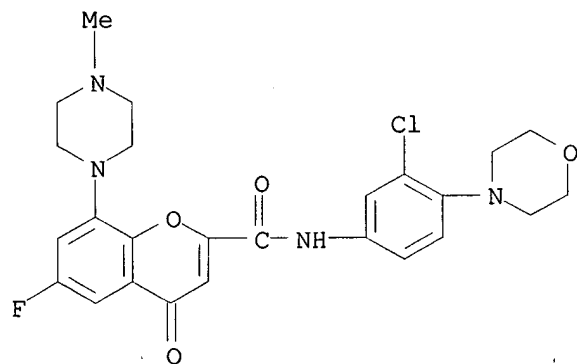
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CN 4H-1-Benzopyran-2-carboxamide, N-[4-(4-acetyl-1-piperazinyl)phenyl]-6-fluoro-8-(4-methyl-1-piperazinyl)-4-oxo- (9CI) (CA INDEX NAME)



RN 442548-85-8 HCAPLUS

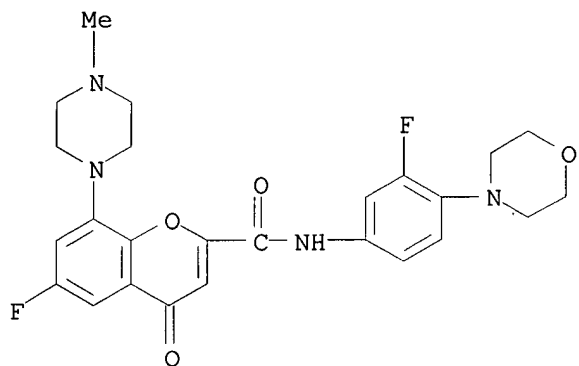
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10/051776

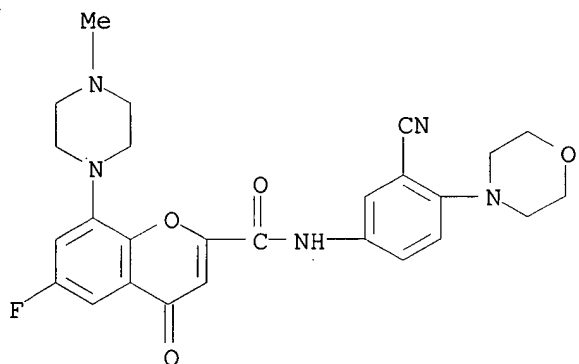
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CN 4H-1-Benzopyran-2-carboxamide, 6-fluoro-N-[3-fluoro-4-(4-morpholinyl)phenyl]-8-(4-methyl-1-piperazinyl)-4-oxo- (9CI) (CA INDEX NAME)



RN 442548-87-0 HCAPLUS

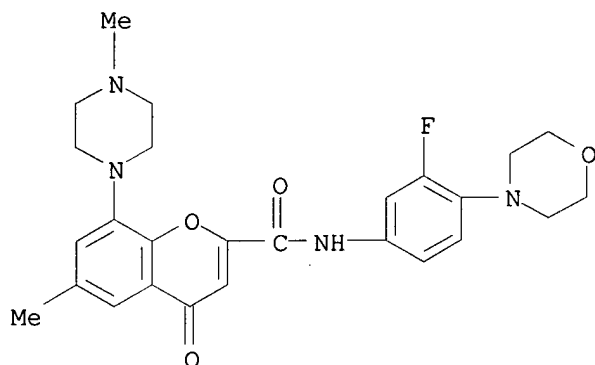
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RN 442548-91-6 HCAPLUS

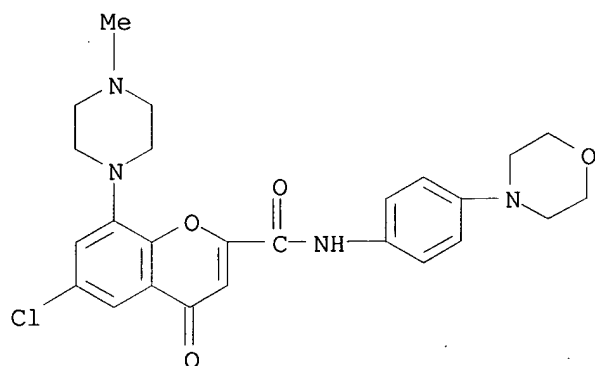
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10/051776



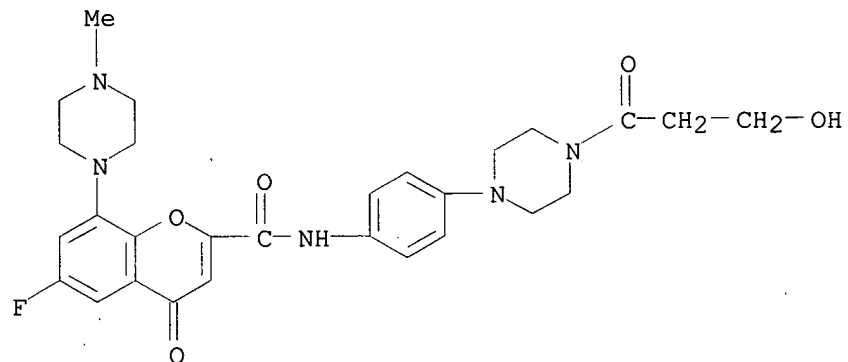
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CN 4H-1-Benzopyran-2-carboxamide, 6-chloro-8-(4-methyl-1-piperazinyl)-N-[4-(4-morpholinyl)phenyl]-4-oxo- (9CI) (CA INDEX NAME)



RN 442549-00-0 HCAPLUS

CN 4H-1-Benzopyran-2-carboxamide, 6-fluoro-N-[4-[4-(3-hydroxy-1-oxopropyl)-1-piperazinyl]phenyl]-8-(4-methyl-1-piperazinyl)-4-oxo- (9CI) (CA INDEX NAME)

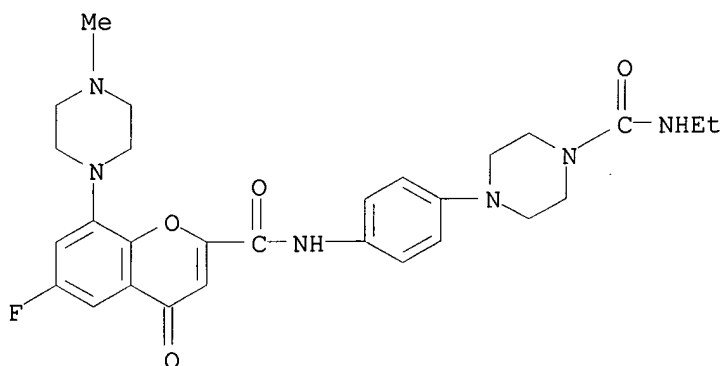


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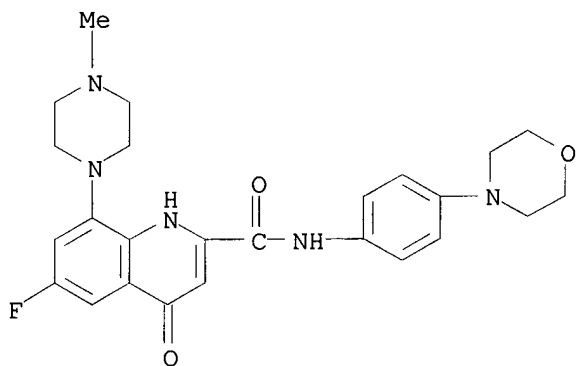
Searcher : Shears 308-4994

10/051776

CN 1-Piperazinecarboxamide, N-ethyl-4-[4-[[[6-fluoro-8-(4-methyl-1-piperazinyl)-4-oxo-4H-1-benzopyran-2-yl]carbonyl]amino]phenyl]-
(9CI) (CA INDEX NAME)

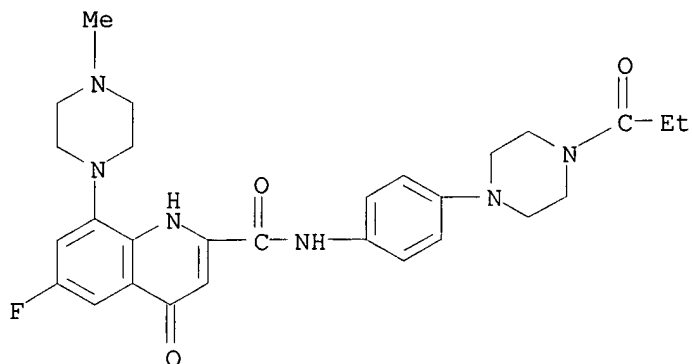


RN 442549-17-9 HCAPLUS
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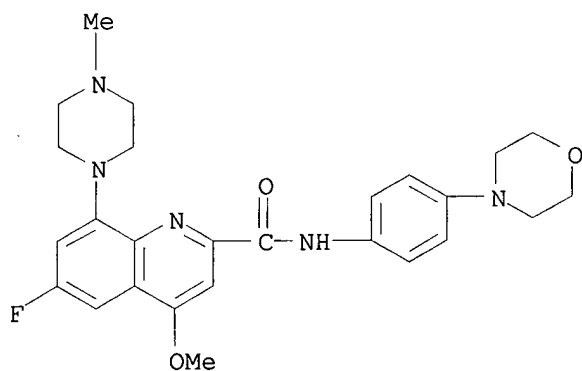


RN 442549-18-0 HCAPLUS
CN 2-Quinolinecarboxamide, 6-fluoro-1,4-dihydro-8-(4-methyl-1-piperazinyl)-4-oxo-N-[4-[4-(1-oxopropyl)-1-piperazinyl]phenyl]-
(9CI) (CA INDEX NAME)

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RN 442549-27-1 HCAPLUS
CN 2-Quinolinecarboxamide, 6-fluoro-4-methoxy-8-(4-methyl-1-piperazinyl)-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)

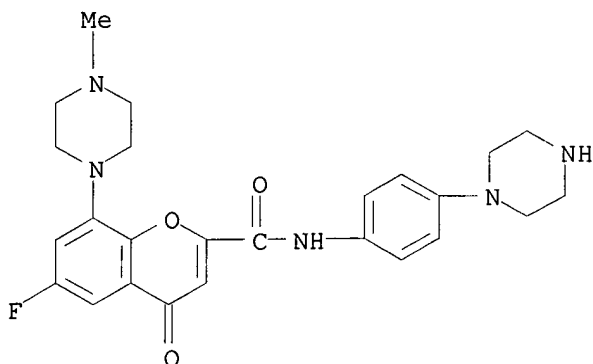


RN 442549-69-1 HCAPLUS
CN 4H-1-Benzopyran-2-carboxamide, 6-fluoro-8-(4-methyl-1-piperazinyl)-4-oxo-N-[4-(1-piperazinyl)phenyl]-, bis(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

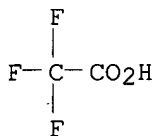
CRN 442548-97-2
CMF C25 H28 F N5 O3

10/051776



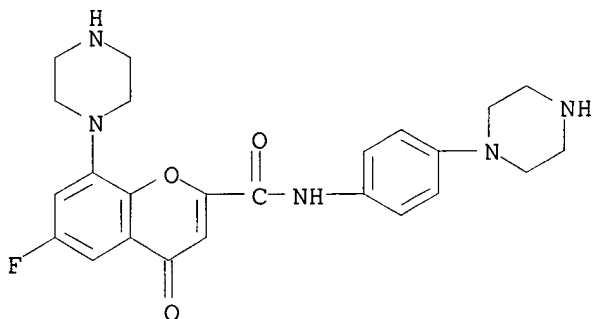
CM 2

CRN 76-05-1
CMF C2 H F3 O2



RN 442914-98-9 HCAPLUS

CN 4H-1-Benzopyran-2-carboxamide, 6-fluoro-4-oxo-8-(1-piperazinyl)-N-[4-(1-piperazinyl)phenyl]-, hydrochloride (9CI) (CA INDEX NAME)



●x HCl

IT **442548-96-1P**, 4-[4-[[[1-[6-Fluoro-8-(4-methylpiperazin-1-yl)-4-oxo-4H-chromen-2-yl]methanoyl]amino]phenyl]piperazine-1-carboxylic acid tert-butyl ester
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);
RACT (Reactant or reagent)

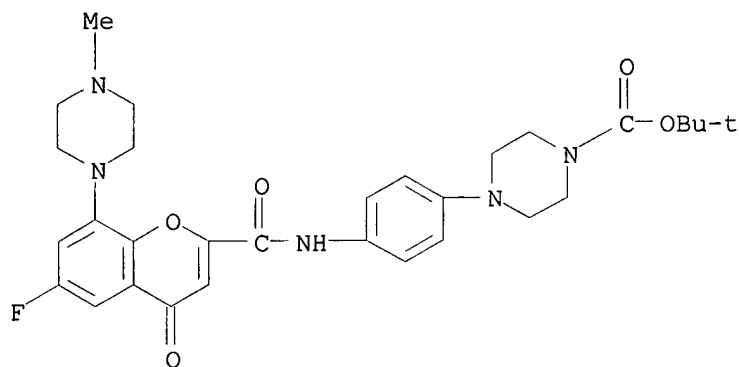
Searcher : Shears 308-4994

10/051776

(intermediate; prepn. of 4-oxo-4H-chromene-2-carboxamides and related compds. as antagonists or agonists of serotonin 5HT1B and 5HT1D receptors)

RN 442548-96-1 HCAPLUS

CN 1-Piperazinecarboxylic acid, 4-[4-[[[6-fluoro-8-(4-methyl-1-piperazinyl)-4-oxo-4H-1-benzopyran-2-yl]carbonyl]amino]phenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

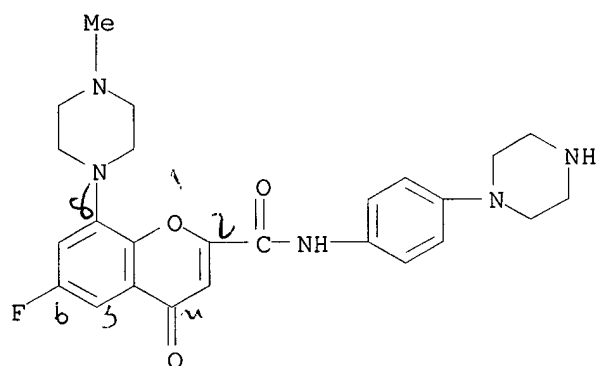


IT 442548-97-2P 442548-99-4P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(prepn. of 4-oxo-4H-chromene-2-carboxamides and related compds. as antagonists or agonists of serotonin 5HT1B and 5HT1D receptors)

RN 442548-97-2 HCAPLUS

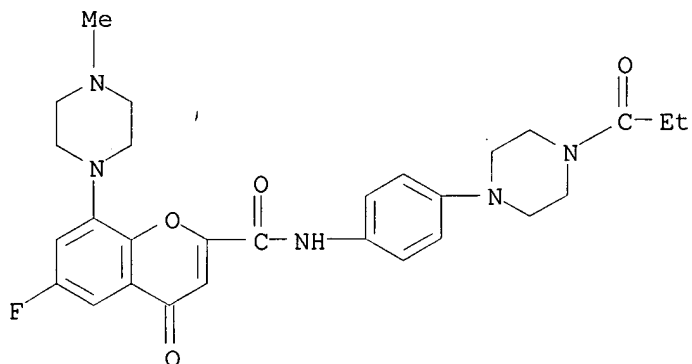
CN 4H-1-Benzopyran-2-carboxamide, 6-fluoro-8-(4-methyl-1-piperazinyl)-4-oxo-N-[4-(1-piperazinyl)phenyl]- (9CI) (CA INDEX NAME)



RN 442548-99-4 HCAPLUS

CN 4H-1-Benzopyran-2-carboxamide, 6-fluoro-8-(4-methyl-1-piperazinyl)-4-oxo-N-[4-[4-(1-oxopropyl)-1-piperazinyl]phenyl]- (9CI) (CA INDEX NAME)

10/051776



L21 ~~FILE 'CAOLD'~~ ENTERED AT 11:41:35 ON 22 OCT 2002
0 S L19

L22 ~~FILE 'USPATROL'~~ ENTERED AT 11:41:41 ON 22 OCT 2002
0 S L19

=> fil hom

FILE 'HOME' ENTERED AT 11:49:09 ON 22 OCT 2002